

IN THE ABSTRACT

Replace the abstract with:

Abstract

A sensor element having a sensor substrate and a flat sensor portion supported by the sensor substrate in which the surface of the flat sensing portion is covered with a silicone resin film. The silicone resin film is excellent in step coverage of the flat sensing portion, applies low stress to the sensing portion, can be formed at low temperature, and can prevent the sensing portion from being adversely affected in the fabrication process.